

What is Claimed is:

1 1. An information providing server comprising:

2 three-dimensional image data storage means for storing
3 three-dimensional image data generated based on image
4 information in which a physical position is clearly described
5 and in which the same area is photographed from different
6 locations, and storing positional information showing the
7 position of said three-dimensional image data;

8 advertisement placing information storage means for
9 storing advertisement placing information including at least
10 a placing period and a placed location of an advertisement by
11 adding an ID for each advertisement; and

12 three-dimensional image synthesizing means for reading
13 the three-dimensional image data from said three-dimensional
14 image data storage means based on browsing location specification
15 information, reading from said advertisement placing
16 information storage means said advertisement placing
17 information having said placing period including the current
18 date data and said placed location included in said
19 three-dimensional image data read based on said browsing location
20 specification information, and synthesizing said read
21 three-dimensional image data with said advertisement placing
22 information to generate synthesis three-dimensional image data.

1 2. An information providing server comprising:

2 three-dimensional image data storage means for storing

advertisement contract means for executing a contract

29 process of an advertisement placing request upon reception of
30 said advertisement placing request from said advertisement
31 placing person and updating said advertisement placing
32 information stored in said advertisement placing information
33 storage means based on said contract information stored in said
34 advertisement contract storage means.

1 3. The information providing server according to claim 1 or 2,
2 further comprising three-dimensional image data conversion
3 means for generating three-dimensional image data based on image
4 information in which the same area is photographed from different
5 locations and in which a physical position is clearly described.

1 4. An information providing server comprising:

three-dimensional image data storage means for storing
three-dimensional image data generated based on image
information in which a physical position is clearly described
and in which the same area is photographed from different
locations, and storing positional information showing the
position of said three-dimensional image data;

8 advertisement placing information storage means for
9 storing advertisement placing information including at least
10 a placing period and a placed location of an advertisement by
11 adding an ID for each advertisement;

12 three-dimensional image synthesizing means for reading
13 the three-dimensional image data from said three-dimensional

14 image data storage means based on browsing location specification
15 information, reading from said advertisement placing
16 information storage means said advertisement placing
17 information having said placing period including the current
18 date data and said placed location included in said
19 three-dimensional image data read based on said browsing location
20 specification information, and synthesizing said read
21 three-dimensional image data with said advertisement placing
22 information to generate synthesis three-dimensional image data;
23 and
24 three-dimensional image browser means for generating,
25 based on a desired viewpoint position, a three-dimensional image
26 stereoscopic representation from said synthesis
27 three-dimensional image data outputted from said
28 three-dimensional image synthesizing means.

1 5. An information providing server comprising:
2 three-dimensional image data storage means for storing
3 three-dimensional image data generated based on image
4 information in which a physical position is clearly described
5 and in which the same area is photographed from different
6 locations, and storing positional information showing the
7 position of said three-dimensional image data;
8 advertisement placing information storage means for
9 storing advertisement placing information including at least
10 a placing period and a placed location of an advertisement by

11 adding an ID for each advertisement;

12 three-dimensional image synthesizing means for reading

13 the three-dimensional image data from said three-dimensional

14 image data storage means based on browsing location specification

15 information, reading from said advertisement placing

16 information storage means said advertisement placing

17 information having said placing period including the current

18 date data and said placed location included in said

19 three-dimensional image data read based on said browsing location

20 specification information, and synthesizing said read

21 three-dimensional image data with said advertisement placing

22 information to generate synthesis three-dimensional image data;

23 three-dimensional image browser means for generating,

24 based on a desired viewpoint position, a three-dimensional image

25 stereoscopic representation from said synthesis

26 three-dimensional image data outputted from said

27 three-dimensional image synthesizing means;

28 advertisement contract storage means for storing contract

29 information including an ID added to said advertisement placing

30 information, the name of an advertisement placing person who

31 desires to place an advertisement, and a contract money amount;

32 and

33 advertisement contract means for executing a contract

34 process of an advertisement placing request upon reception of

35 said advertisement placing request from said advertisement

36 placing person and updating said advertisement placing

37 information stored in said advertisement placing information
38 storage means based on said contract information stored in said
39 advertisement contract storage means.

1 6. The information providing server according to claim 4 or 5,
2 further comprising three-dimensional image data conversion
3 means for generating three-dimensional image data based on image
4 information in which a physical position is clearly described
5 and
6 in which the same area is photographed from different locations.

1 7. The information providing server according to claim 4 or 5,
2 further comprising:

3 user data storage means for recording the ID of a user
4 and the viewpoint position of said user;

5 other users maximum display threshold value storage means
6 for storing an other users maximum display threshold value for
7 defining a threshold value to display the maximum number of
8 viewpoint positions of other users when displaying the viewpoint
9 positions of the other users;

10 user position display means for adding a user position
11 mark showing the user to the viewpoint position of the user in
12 said three-dimensional image stereoscopic representation
13 provided to said user, fetching from data stored in said user
14 data storage means the viewpoint positions of said other users
15 and said user IDs up to said threshold value defined by said

1002383E-123101

16 other users maximum display threshold value in the order close
17 to the viewpoint position of said user, and adding other users
18 position marks showing said other users to said viewpoint
19 positions; and

20 interaction connection means for regarding, as persons
21 to interact with, the user IDs of said other users corresponding
22 to given specified other users position marks when said user
23 specifies said given other users position marks and starting
24 an interacting function program to provide connection.

1 8. An information providing server comprising:

2 three-dimensional image data storage means for storing
3 three-dimensional image data generated based on image
4 information in which a physical position is clearly described
5 and in which the same area is photographed from different
6 locations, and storing positional information showing the
7 position of said three-dimensional image data;

8 advertisement placing information storage means for
9 storing advertisement placing information including at least
10 a placing period and a placed location of an advertisement by
11 adding an ID for each advertisement;

12 three-dimensional image synthesizing means for reading
13 the three-dimensional image data from said three-dimensional
14 imagedatastoragemeansbasedonbrowsinglocation specification
15 information, reading from said advertisement placing
16 information storage means said advertisement placing

1003336-10101
FOIAT-990209

17 information having said placing period including the current
18 date data and said placed location included in said
19 three-dimensional image data read based on said browsing location
20 specification information, and synthesizing said read
21 three-dimensional image data with said advertisement placing
22 information to generate synthesis three-dimensional image data;
23 three-dimensional image browser means for generating,
24 based on a desired viewpoint position, a three-dimensional image
25 stereoscopic representation from said synthesis
26 three-dimensional image data outputted from said
27 three-dimensional image synthesizing means;
28 landmark position storage means for storing landmark
29 information including a language representation about the name
30 or contents corresponding to a landmark existing in said
31 three-dimensional image data and positional information on the
32 position of said landmark; and
33 search engine means for searching for page data including
34 the contents related to a keyword from a set of page data when
35 said keyword is given as input and generating link information
36 to said page data,
37 wherein said three-dimensional image browser means refers
38 to said positional information included in said landmark
39 information of said landmark position storage means when related
40 information presentation related to the position is commanded,
41 specifies the corresponding landmark information, outputs said
42 language representation information of the landmark information

TOP SECRET - FRODO

43 to said search engine means, and allows said search engine means
44 to generate link information of page data related to the landmark
45 information.

1 9. An information providing server comprising:

2 three-dimensional image data storage means for storing
3 three-dimensional image data generated based on image
4 information in which a physical position is clearly described
5 and in which the same area is photographed from different
6 locations, and storing positional information showing the
7 position of said three-dimensional image data;

8 advertisement placing information storage means for
9 storing advertisement placing information including at least
10 a placing period and a placed location of an advertisement by
11 adding an ID for each advertisement;

12 three-dimensional image synthesizing means for reading
13 the three-dimensional image data from said three-dimensional
14 image data storage means based on browsing location specification
15 information, reading from said advertisement placing
16 information storage means said advertisement placing
17 information having said placing period including the current
18 date data and said placed location included in said
19 three-dimensional image data read based on said browsing location
20 specification information, and synthesizing said read
21 three-dimensional image data with said advertisement placing
22 information to generate synthesis three-dimensional image data;

23 three-dimensional image browser means for generating,
24 based on a desired viewpoint position, a three-dimensional image
25 stereoscopic representation from said synthesis

26 three-dimensional image data outputted from said

27 three-dimensional image synthesizing means;

28 landmark position storage means for storing landmark
29 information including a language representation about the name
30 or contents corresponding to a landmark existing in said
31 three-dimensional image data and positional information on the
32 position of said landmark;

33 search engine means for searching for page data including
34 the contents related to a keyword from a set of page data when
35 said keyword is given as input and generating link information
36 to said page data;

37 user stay landmark storage means for storing a landmark
38 stay history including said landmark where a user stays and the
39 stay time at the landmark;

40 all movement history storing means for recording a movement
41 history including the viewpoint position of said user and the
42 time;

43 stay time threshold value storage means for storing a stay
44 time threshold value showing time to stay around a landmark
45 necessary for judging that said user is interested in said
46 landmark;

47 range inside and outside judgment distance storage means
48 for storing range inside and outside judgment distance

10023886-133101
T022101

49 information showing definition of the peripheral position from
50 the position of a landmark necessary for judging that said user
51 is interested in said landmark;

52 stay time calculation means for extracting said landmark
53 information from said landmark position storage means, using
54 positional information of the landmark information and said range
55 inside and outside judgment distance information stored in said
56 range inside and outside judgment distance storage means to
57 extract from said all movement history storing means said
58 movement history when the viewpoint position of said user is
59 within the range of the peripheral position defined by said range
60 inside and outside judgment distance information from said
61 extracted landmark position, and using the extracted movement
62 history to calculate the first time and the last time in which
63 the viewpoint position of said user passes through said landmark;
64 and

65 user stay landmark judgment means for comparing a stay
66 time which is a difference between said last time and said first
67 time calculated by said stay time calculation means with said
68 stay time threshold value stored in said stay time threshold
69 value storage means, and when said stay time is above said stay
70 time threshold value, using said language representation
71 information of said landmark information to store said landmark
72 name and said stay time into said user stay landmark storage
73 means,

74 wherein said three-dimensional image browser means refers

75 to said positional information included in said landmark
76 information of said landmark position storage means when related
77 information presentation related to the position is commanded,
78 specifies the corresponding landmark information, outputs said
79 language representation information of the landmark information
80 to said search engine means, and allows said search engine means
81 to generate link information of page data related to the landmark
82 information.

1 10. The information providing server according to claim 9,
2 further comprising:

3 all information search command history storing means for
4 recording an information presentation command history including
5 the landmark name in which said user commands related information
6 presentation related to the position and the time; and

7 questionnaire summing result presentation means for
8 outputting said landmark stay history of said user stay landmark
9 storage means or said information presentation command history
10 of said all information search command history storing means
11 when a manager commands to present the summing result.

1 11. An information providing client, wherein

2 provision of information showing a viewpoint position is
3 requested to an information providing server for storing
4 advertisement placing information including at least a placing
5 period of an advertisement desired to be placed by adding an

10023886.122101

6 ID for each advertisement;

7 said information providing server is allowed to synthesize
8 three-dimensional image data generated based on image
9 information in which a physical position is clearly described
10 and in which the same area is photographed from different
11 locations with said advertisement placing information to
12 generate synthesis three-dimensional image data when said
13 placing period included in said stored advertisement placing
14 information includes the current date, and to use said viewpoint
15 position to generate a three-dimensional image stereoscopic
16 representation from the synthesis three-dimensional image data;
17 and

18 the three-dimensional image stereoscopic representation
19 is received and displayed.

1 12. An information providing client comprising:

2 a three-dimensional image browser which stores
3 three-dimensional image data generated based on image
4 information in which a physical position is clearly described
5 and in which the same area is photographed from different
6 locations associated with positional information showing the
7 position of the three-dimensional image data and further performs
8 a browsing location specification for specifying a desired
9 location to be browsed to an information providing server for
10 storing advertisement placing information including at least
11 a placing period and a placed location of an advertisement by

12 adding an ID for each advertisement, and which allows said
13 information providing server to read the corresponding
14 three-dimensional image data from said three-dimensional image
15 data based on said browsing location specification, to read from
16 said advertisement placing information said advertisement
17 placing information having said placing period including the
18 current date data and said placed location included in said read
19 three-dimensional image data and to synthesize said read
20 three-dimensional image data with said advertisement placing
21 information to generate synthesis three-dimensional image data,
22 and receives the synthesis three-dimensional image data to
23 generate a three-dimensional image stereoscopic representation
24 based on a viewpoint position;
25 an input part for outputting said viewpoint position to
26 said three-dimensional image browser; and
27 a display part for receiving said three-dimensional image
28 stereoscopic representation from said three-dimensional image
29 browser to display it.

1 13. The information providing client according to claim 11 or
2 12, wherein
3 said information providing server stores landmark
4 information including a language representation about the name
5 or contents corresponding to a landmark existing in said
6 three-dimensional image data and positional information on the
7 position of said landmark;

8 a related information provision request showing a position
9 for requesting related information provision is performed to
10 said information providing server; and

11 said information providing server is allowed to refer to
12 said positional information included in said stored landmark
13 information, to specify the corresponding landmark information,
14 to use said language representation information of the landmark
15 information to search for page data including the contents
16 related to the language representation information from a set
17 of the page data, and to generate link information to said page
18 data.

1 14. The information providing client according to claim 11 or
2 12, wherein

3 when said information providing server records the ID of
4 a user and the viewpoint position of said user and further displays
5 viewpoint positions of other users, an other users display
6 request for requesting display of other users in said
7 three-dimensional image stereoscopic representation is
8 performed to said information providing server for storing an
9 other users maximum display threshold value for defining a
10 threshold value to display the maximum number of the viewpoint
11 positions of the other users;

12 said information providing server is allowed to add and
13 display a user position mark showing the user to the viewpoint
14 position of the user in said three-dimensional image stereoscopic

15 representation, to fetch from said stored user viewpoint position
16 said viewpoint positions of the other users and said user IDs
17 up to said stored threshold value in the order close to said
18 viewpoint position of the user, and to add and display other
19 users position marks showing said other users to said viewpoint
20 position in said three-dimensional image stereoscopic
21 representation and further an interaction connection request
22 for specifying said other users position marks displayed in the
23 three-dimensional image stereoscopic representation to desire
24 to interact with said other users is performed to said information
25 providing server; and
26 said information providing server is allowed to start an
27 interacting function program to provide connection between the
28 user and said other users corresponding to said specified other
29 users position marks.

1 15. An information providing client, wherein
2 an advertisement placing request for requesting placement
3 of an advertisement is performed to an information providing
4 server for storing advertisement placing information including
5 at least a placing period of an advertisement by adding an ID
6 for each advertisement; and
7 said information providing server is allowed to execute
8 a contract process of the advertisement placing request, to
9 update said stored advertisement placing information based on
10 the contents of the contract process, to synthesize, at an

information providing request form another client,
three-dimensional image data generated based on image
information in which a physical position is clearly described
and in which the same area is photographed from different
locations with said advertisement placing information to
generate synthesis three-dimensional image data when said
placing period included in said stored advertisement placing
information includes the current date, and to send the synthesis
three-dimensional image data to the another client.

16. An information providing system processing method, wherein
an information providing server stores three-dimensional
image data generated based on image information in which a
physical position is clearly described and in which the same
area is photographed from different locations and stores
positional information showing the position of said
three-dimensional image data and further stores advertisement
placing information including at least a placing period and a
placed location of an advertisement by adding an ID for each
advertisement;

an information providing client performs to said
information providing server a browsing location specification
for specifying a desired browsing location;

said information providing server reads the corresponding
three-dimensional image data from said three-dimensional image
data based on said browsing location specification, reads from

17 stored said advertisement placing information said
18 advertisement placing information having said placing period
19 including the current date data and said placed location included
20 in said three-dimensional image data read based on said browsing
21 location specification, and synthesizes said read
22 three-dimensional image data with said advertisement placing
23 information to generate synthesis three-dimensional image data
24 which is then outputted to said information providing client;
25 and

26 said information providing client receives said synthesis
27 three-dimensional image data to generate a three-dimensional
28 image stereoscopic representation based on the viewpoint
29 position.

1 17. An information providing system processing method, wherein
2 an information providing server stores three-dimensional
3 image data generated based on image information in which a
4 physical position is clearly described and in which the same
5 area is photographed from different locations and stores
6 positional information showing the position of said
7 three-dimensional image data and further stores advertisement
8 placing information including at least a placing period and a
9 placed location of an advertisement by adding an ID for each
10 advertisement;

11 an information providing client for advertisement
12 provision performs to said information providing server an

Total = 1003886

13 advertisement placing request for requesting placement of an
14 advertisement;

15 said information providing server receives said
16 advertisement placing request, executes a contract process of
17 the advertisement placing request, and updates said
18 advertisement placing information stored based on the contents
19 of the contract process;

20 the information providing client performs to said
21 information providing server a browsing location specification
22 for specifying a desired browsing location;

23 said information providing server reads the corresponding
24 three-dimensional image data from said three-dimensional image
25 data based on said browsing location specification, reads from
26 said advertisement placing information said advertisement
27 placing information having said placing period including the
28 current date data and said placed location included in said
29 three-dimensional image data read based on said browsing location
30 specification, and synthesizes said read three-dimensional
31 image data with said advertisement placing information to
32 generate synthesis three-dimensional image data which is then
33 outputted to said information providing client; and

34 said information providing client receives said synthesis
35 three-dimensional image data to generate a three-dimensional
36 image stereoscopic representation based on the viewpoint
37 position.

1 18. The information providing system processing method according
2 to claim 16 or 17, wherein

3 said information providing server records the ID of a user
4 and the viewpoint position of said user and further stores an
5 other users maximum display threshold value for defining a
6 threshold value to display the maximum number of the viewpoint
7 positions of the other users when displaying the viewpoint
8 positions of the other users;

9 said information providing client performs an other users
10 display request for requesting other users display in said
11 three-dimensional image stereoscopic representation;

12 said information providing server receives said other
13 users display request, adds and displays a user position mark
14 showing the user to the viewpoint position of the user to said
15 three-dimensional image stereoscopic representation, fetches
16 said viewpoint positions of the other users and said user IDs
17 up to said threshold value defined by said other users maximum
18 display threshold value in the order close to the viewpoint
19 position of said user, and adds and displays other users position
20 marks showing said other users to said viewpoint position in
21 said three-dimensional image stereoscopic representation;

22 said information providing client performs an interaction
23 connection request for specifying said other users position marks
24 displayed in the three-dimensional image stereoscopic
25 representation to desire to interact with said other users; and

26 said information providing server receives said

10023885-122101

27 interaction connection request which specifies said other users
28 position marks, and regards, as persons to interact with, the
29 user IDs of said other users corresponding to said specified
30 other users position marks to start up an interacting function
31 program to provide connection.

1 19. An information providing system processing method, wherein
2 an information providing server stores three-dimensional
3 image data generated based on image information in which a
4 physical position is clearly described and in which the same
5 area is photographed from different locations and stores
6 positional information showing the position of said
7 three-dimensional image data and further stores advertisement
8 placing information including at least a placing period and a
9 placed location of an advertisement by adding an ID for each
10 advertisement;

11 an information providing client performs to said
12 information providing server a browsing location specification
13 for specifying a desired browsing location;

14 said information providing server reads the corresponding
15 three-dimensional image data from said three-dimensional image
16 data based on said browsing location specification, reads said
17 advertisement placing information having said placing period
18 including the current date data and said placed location included
19 in said three-dimensional image data read based on said browsing
20 location specification, and synthesizes said read

21 three-dimensional image data with said advertisement placing
22 information to generate synthesis three-dimensional image data
23 which is then outputted to said information providing client;

24 said information providing client receives said synthesis
25 three-dimensional image data to generate a three-dimensional
26 image stereoscopic representation based on a viewpoint position;

27 said information providing server stores landmark
28 information including a language representation about the name
29 or contents corresponding to a landmark existing in said
30 three-dimensional image data and positional information on the
31 position of said landmark;

32 said information providing client performs a related
33 information provision request showing a position for requesting
34 related information provision; and

35 said information providing server refers to said
36 positional information included in the landmark information
37 stored in said landmark position storage step, specifies the
38 corresponding landmark information, uses said language
39 representation information of the landmark information to search
40 for page data including the contents related to the language
41 representation information from a set of page data, and generates
42 link information to said page data.

1 20. The information providing system processing method according
2 to claim 19, wherein

3 said information providing server records a movement

4 history including the viewpoint position of said user and the
5 time, stores a stay time threshold value showing time to stay
6 around a landmark necessary for judging that said user is
7 interested in said landmark, stores range inside and outside
8 judgment distance information showing definition of the
9 peripheral position from the position of a landmark necessary
10 for judging that said user is interested in said landmark, uses
11 positional information in said stored landmark information and
12 said stored range inside and outside judgment distance
13 information to extract said movement history when the viewpoint
14 position of said user is within the range of the peripheral
15 position defined by said range inside and outside judgment
16 distance information from said extracted landmark position, uses
17 the extracted movement history to calculate the first time and
18 the last time in which the viewpoint position of said user passes
19 through said landmark, compares a stay time which is a difference
20 between said last time and said first time calculated with said
21 stored stay time threshold value, when said stay time is above
22 said stay time threshold value, uses said language representation
23 information of said landmark information to store a landmark
24 stay history including said landmark name and said stay time,
25 and records an information presentation command history
26 including a landmark name in which said user specifies related
27 information presentation about the position and the time;
28 said information providing client performs a summing
29 result presentation request for commanding to present the summing

30 result; and

31 said information providing server receives said summing
32 result presentation request and outputs said stored landmark
33 stay history or said stored information presentation command
34 history.

1 21. A recording medium which records a program for a server for
2 allowing a computer to execute:

3 a three-dimensional image data storage process for storing
4 three-dimensional image data generated based on image
5 information in which a physical position is clearly described
6 and in which the same area is photographed from different
7 locations ,and storing positional information showing the
8 position of said three-dimensional image data;

9 an advertisement placing information storage process for
10 storing advertisement placing information including at least
11 a placing period and a placed location of an advertisement by
12 adding an ID for each advertisement; and

13 a three-dimensional image synthesizing process for
14 reading the three-dimensional image data from said
15 three-dimensional image data storage means based on browsing
16 location specification information, reading from said
17 advertisement placing information storage means said
18 advertisement placing information having said placing period
19 including the current date data and said placed location included
20 in said three-dimensional image data read based on said browsing

21 location specification information, and synthesizing said read
22 three-dimensional image data with said advertisement placing
23 information to generate synthesis three-dimensional image data.

1 22. A recording medium which records a program for a server for
2 allowing a computer to execute:

3 a three-dimensional image data storage process for storing
4 three-dimensional image data generated based on image
5 information in which a physical position is clearly described
6 and in which the same area is photographed from different
7 locations ,and storing positional information showing the
8 position of said three-dimensional image data;

9 an advertisement placing information storage process for
10 storing advertisement placing information including at least
11 a placing period and a placed location of an advertisement by
12 adding an ID for each advertisement;

13 a three-dimensional image synthesizing process for
14 reading the three-dimensional image data from said
15 three-dimensional image data storage means based on browsing
16 location specification information, reading from said
17 advertisement placing information storage means said
18 advertisement placing information having said placing period
19 including the current date data and said placed location included
20 in said three-dimensional image data read based on said browsing
21 location specification information, and synthesizing said read
22 three-dimensional image data with said advertisement placing

23 information to generate synthesis three-dimensional image data;
24 an advertisement contract storage process for storing
25 contract information including an ID added to said advertisement
26 placing information, the name of an advertisement placing person
27 who desires to place an advertisement, and a contract money
28 amount; and

29 an advertisement contract process for executing a contract
30 process of an advertisement placing request upon reception of
31 said advertisement placing request from said advertisement
32 placing person and updating said advertisement placing
33 information stored in said advertisement placing information
34 storage means based on said contract information stored in said
35 advertisement contract storage means.

1 23. A recording medium which records a program for a server for
2 allowing a computer to execute:

3 a three-dimensional image data storage process for storing
4 three-dimensional image data generated based on image
5 information in which a physical position is clearly described
6 and in which the same area is photographed from different
7 locations, and storing positional information showing the
8 position of said three-dimensional image data;

9 an advertisement placing information storage process for
10 storing advertisement placing information including at least
11 a placing period and a placed location of an advertisement by
12 adding an ID for each advertisement;

13 a three-dimensional image synthesizing process for
14 reading the three-dimensional image data based on browsing
15 location specification information, reading said advertisement
16 placing information having said placing period including the
17 current date data and said placed location included in said
18 three-dimensional image data read based on said browsing location
19 specification information, and synthesizing said read
20 three-dimensional image data with said advertisement placing
21 information to generate synthesis three-dimensional image data;
22 and

23 a three-dimensional image browser process for generating,
24 based on a desired viewpoint position, a three-dimensional image
25 stereoscopic representation from said synthesis
26 three-dimensional image data outputted from said
27 three-dimensional image synthesizing means.

1 24. A recording medium which records a program for a server for
2 allowing a computer to execute:

3 a three-dimensional image data storage process for storing
4 three-dimensional image data generated based on image
5 information in which a physical position is clearly described
6 and in which the same area is photographed from different
7 locations, and storing positional information showing the
8 position of said three-dimensional image data;

9 an advertisement placing information storage process for
10 storing advertisement placing information including at least

11 a placing period and a placed location of an advertisement by
12 adding an ID for each advertisement;

13 a three-dimensional image synthesizing process for
14 reading the three-dimensional image data based on browsing
15 location specification information, reading said advertisement
16 placing information having said placing period including the
17 current date data and said placed location included in said
18 three-dimensional image data read based on said browsing location
19 specification information, and synthesizing said read
20 three-dimensional image data with said advertisement placing
21 information to generate synthesis three-dimensional image data;

22 a three-dimensional image browser process for generating,
23 based on a desired viewpoint position, a three-dimensional image
24 stereoscopic representation from said synthesis
25 three-dimensional image data outputted from said
26 three-dimensional image synthesizing means;

27 an advertisement contract storage process for storing
28 contract information including an ID added to said advertisement
29 placing information, the name of an advertisement placing person
30 who desires to place an advertisement, and a contract money
31 amount; and

32 an advertisement contract process for executing a contract
33 process of an advertisement placing request upon reception of
34 said advertisement placing request from said advertisement
35 placing person and updating said advertisement placing
36 information stored in said advertisement placing information

37 storage means based on said contract information stored in said
38 advertisement contract storage means.

1 25. A recording medium which records a program for a client for
2 allowing a computer to execute:

3 a process for requesting to provide information showing
4 a viewpoint position to an information providing server for
5 storing advertisement placing information including at least
6 a placing period of an advertisement desired to be placed by
7 adding an ID for each advertisement; and

8 a process for allowing said information providing server
9 to synthesize three-dimensional image data generated based on
10 image information in which a physical position is clearly
11 described and the same area is photographed from different
12 locations with said advertisement placing information to
13 generate synthesis three-dimensional image data when said
14 placing period included in said stored advertisement placing
15 information includes the current date and to use said viewpoint
16 position to generate a three-dimensional image stereoscopic
17 representation from the synthesis three-dimensional image data
18 and for receiving and displaying the three-dimensional image
19 stereoscopic representation.

1 26. A recording medium which records a program for a client for
2 allowing a computer to execute:

3 a three-dimensional image browser process which stores

4 three-dimensional image data generated based on image
5 information in which a physical position is clearly described
6 and in which the same area is photographed from different
7 locations associated with positional information showing the
8 position of the three-dimensional image data and further performs
9 a browsing location specification for specifying a desired
10 location to be browsed to an information providing server for
11 storing advertisement placing information including at least
12 a placing period and a placed location of an advertisement by
13 adding an ID for each advertisement and which allows said
14 information providing server to read the corresponding
15 three-dimensional image data from said three-dimensional image
16 data based on said browsing location specification, to read from
17 said advertisement placing information said advertisement
18 placing information having said placing period including the
19 current date data and said placed location included in said read
20 three-dimensional image data and to synthesize said read
21 three-dimensional image data with said advertisement placing
22 information to generate synthesis three-dimensional image data,
23 and receives the synthesis three-dimensional image data to
24 generate a three-dimensional image stereoscopic representation
25 based on a viewpoint position;

26 an input process for outputting said viewpoint position
27 to said three-dimensional image browser; and

28 a display process for receiving said three-dimensional
29 image stereoscopic representation from said three-dimensional

30 image browser to display it.

1 27. A recording medium which records a program for a client for
2 allowing a computer to execute:

3 an advertisement placing process for requesting placement
4 of an advertisement to an information providing server for
5 storing advertisement placing information including at least
6 a placing period of an advertisement by adding an ID for each
7 advertisement; and

8 a process for allowing said information providing server
9 to execute a contract process of the advertisement placing
10 request, to update said stored advertisement placing information
11 based on the contents of the contract process, to synthesize,
12 at an information providing request from another client,
13 three-dimensional image data generated based on image
14 information in which a physical position is clearly described
15 and the same area is photographed from different locations with
16 said advertisement placing information to generate synthesis
17 three-dimensional image data when said placing period included
18 in said stored advertisement placing information includes the
19 current date, and to send the synthesis three-dimensional image
20 data to the another client.